

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
07333/022002SERIAL NO.
09/045,236INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT:
Sankaram *et al.*FILING DATE
3/20/98

GROUP

MAY 11 1998
(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	AA	5	3	3	4	3	9	1	8/2/94	Clark <i>et al.</i>	424	450	
<i>W</i>	AB	5	3	3	4	3	8	1	8/2/94	Unger <i>et al.</i>	424	9	
<i>W</i>	AC	4	7	7	1	6	1	2	1.1988	Janoff	424	1.1	
<i>W</i>	AD	4	9	7	5	2	8	2	12/1990	Cullis	424	450	
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>W</i>	AL	EP0315467	10/05/89	EP	4	—		
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

<i>W</i>	AQ	"Topology of Multivesicular Liposomes, a Model Biliquid Foam," <i>Langmuir</i> 12:4704-4708, 1996, by M.S. Spencer <i>et al.</i>						
<i>W</i>	AR	Crommelin, Internat. J. Pharmaceutics 16:(1983):p-79						
	AS							

EXAMINER

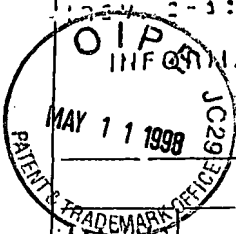
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4 0 8 9 8 0 1	5/16/78	Schneider	—	—	
	AB	4 1 4 5 4 1 0	5/20/79	Sears	—	—	
	AC	4 2 2 4 1 7 9	9/23/80	Schneider	—	—	
	AD	4 2 3 5 8 7 1	11/25/80	Papahadjopoulos, et al.	—	—	
	AE	4 3 1 0 5 0 6	1/12/82	Baldeschwieler, et al.	—	—	
	AF	4 3 9 4 3 7 2	7/19/83	Taylor	—	—	
	AG	4 5 2 2 8 0 3	6/11/85	Ienk, et al.	—	—	
	AH	4 5 8 8 5 7 8	5/13/86	Fountain, et al.	—	—	
	AI	4 5 9 9 2 2 7	7/8/86	Dees, et al.	—	—	
	AJ	4 6 1 0 8 6 8	9/9/86	Fountain, et al.	—	—	
	AK	4 7 5 2 4 2 5	7/21/88	Martin, et al.	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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	AI	2 0 5 0 2 8 7	7 Jan 1991	GB (UK) / Application published	—	—	
	AN						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

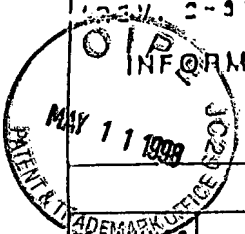
	AS	1	Huang, Biochemistry, 8:334-352, 1969, "Studies on Phosphatidylcholine Vesicles formation and Physical characteristics."
	AS	2	Dang, A. Mol. Bio., 13-238-252, 1965, "Diffusion of univalent ions across the lamellae of swollen phospholipids."
	AS	1	Szoka, et al., Ann. Rev. Biophys. Bioeng., 9:465-508, 1980, "Comparative properties and methods of preparation of lipid vesicles (liposomes)."
	AS	2	Shakiba, et al., Investigative ophthalmology and visual Science, 34(10):2903-10, 1993 Sep., "Evaluation of retinal toxicity and liposome encapsulation of the Anti-CMV Drug 2'-nor-cyclic GMP."
	AT	2	Frucht-Perry, et al., Cornea, 11(5):393-7, 1992 Sep., "Fibrin-entrapped tobramycin liposomes: single application topical therapy of pseudomonas ..."

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AA1	4 7 0 9 2 5 0	9/6/88	Forssen	—	—	
AB1	4 7 8 1 8 7 1	11/1/88	West, III, et al.	—	—	
AC1	4 9 2 0 0 1 6	4/24/90	Allen, et al.	—	—	
AD1	5 0 0 0 9 5 9	3/19/91	Iga, et. al.	—	—	
AE1	5 0 2 1 2 0 0	6/4/91	Vanlerberghe, et al.	—	—	
AF1	4 0 7 8 0 5 2	3/7/78	Papahadjopoulos	—	—	
AG1	5 2 1 1 9 5 5	5/18/93	Legros, et al.	—	—	
AH1	5 0 7 7 0 5 6	12/31/91	Bally, et al.	—	—	
AI1	5 2 0 4 1 1 2	4/20/93	Hope, et al.	—	—	
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AR	3	Assil, et al., Investigative Ophthalmology and Visual Science, 32(13):3216-20, 1991 Dec., Tobramycin liposomes. Single subconjunctival therapy of ...
	4	Assil, et al., Investigative Ophthalmology and Visual Science, 32(11):2891-7, 1991 Oct., Liposome suppression of proliferative vitreoretinopathy. Rabbit ...
AS	3	Turski, et al., Magnetic Resonance in Medicine, 7(2):184-96, 1988 Jun., Magnetic resonance imaging of rabbit brain after intracarotid injection
	4	Skuta, et al., American Journal of Ophthalmology, 103(5):714-16, 1987, May 15 "Filtering surgery in owl monkeys treated with the antimetabolite"
AT	3	Assil, et al., Archives of Ophthalmology, 105(3):400-3, 1987 Mar, "Multivesicular liposomes. Sustained release of the antimetabolite"
	4	Barbet, et al., Biochimica et Biophysica Acta, 772(3):347-56, 1984, May 30, "Weat acid-induced release of liposome-encapsulated carboxyfluorescein"

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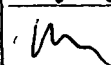



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	AR	5	Kim, et al., Biochim. Biophys. Acta, 646:1, 1981, "Preparation of cell-size unilamellar liposomes with high captured volume and defined size"
	AR	6	Kim, et al., Biochim. Biophys. Acta, 728:339-348, 1983, "Preparation of multivesicular liposomes"
	AS	5	Kim, et al., Biochim. Biophys. Acta, 793:801, 1985, "Preparation of multilamellar vesicles of defined size-distribution by solvent-spherule"
	AS	6	Kim, et al., Cancer Treat. Rep., 71:705-711, 1987, "Multivesicular liposomes containing cytarabine entrapped in the presence of"
	AT	5	Kim, et al., Cancer Research, 47:3935-3937, 1987, "Multivesicular Liposomes Containing cytosine arabinoside for slow-release intrathecal therapy."
	AT	6	Kim, et al., Cancer Treat. Rep., 71:447-450, 1987, "Multivesicular liposomes containing cytosine arabinoside for slow-release"

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1-B-D-arabinofuranosylcytosine

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Kim, et al.	7	Kim, et al. Cancer Chemother Pharmacology, 19:307-310, 1987, "Modulation of the peritoneal clearance of liposomal ara-C by blank liposomes."
Roy, et al.	8	Roy, et al. Cancer Chemother. Pharm., 28:105-108, 1991, "Multivesicular liposomes containing bleomycin for subcutaneous administration."
Kim, et al.	7	Kim, et al. Reg. Cancer Treat., 2:170-173, 1989, "Intratumoral chemotherapy with multivesicular liposomes containing 1-b-D-arabino....."
Kim, et al.	8	Kim, et al. J. Inf. Dis., 162:750-752, 1990, "Multivesicular liposomes for CSF delivery of retroviral agent DDC."
Chamberlain, et al.	7	Chamberlain, et al., Archives of Neurol, 50(3):261-264, 1993, "Treatment of leptomeningeal metastasis with intraventricular administration of"
Chatelut, et al.	8	Chatelut, et al., Cancer Them. Pharmacol., 32:179-182, 1993, "A slow-release methotrexate formulation for intrathecal chemotherapy."

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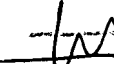
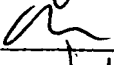
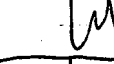
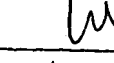
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	AR	9	Russack, et al., Ann. Neurol., 34:108-112, 1993, "Quantitative cerebrospinal fluid cytology in patients receiving intracavitary chemotherapy."
	I	10	Kim, et al., J. Clin. Oncol., 11:2186-2193, 1993, "Extended cerebrospinal-fluid cytarabine exposure following intrathecal administration of DIC 101."
	AS	9	Kim, Drugs, 46:618-638, 1993, "Liposomes as carriers of cancer chemotherapy: a review."
		10	Kim, Kim, Kim, Cancer Chemother. Pharmacol., 33:187-190, 1993, "Extended-release formulation of morphine for subcutaneous administration."
	AT	9	Ishii, Liposome Technology, 1:111-121, 1993, "Production and Size Control of large unilamellar liposomes by emulsification"
		10	Cullis, et al., Phospholipids and Cellular Regulation, 1:65-123, 1985, "Structural properties and functional roles of phospholipids in"

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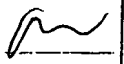
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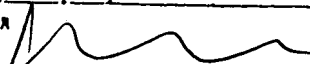
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	11	Bonetti, et al., Cancer Chemotherapy and Pharmacology, In Press, 1993, "An extended-release formulation of methotrexate for subcutaneous "
		12	Kim, et al., Cancer Res., 53:1596-1598, 1993, "Prolongation of drug action in CSE by encapsulation into multivesicular liposomes."
	AS		Depo Foam
	AT		

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